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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/646,839	KUBOTA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Thuy V. Tran	2821	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/25/03; preliminary amendment 04/12/04; and Telephone Interview 09/03/04.
2. ☒ The allowed claim(s) is/are 1-8, 10-12, 14, 15 and 21-24.
3. ☒ The drawings filed on 25 August 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

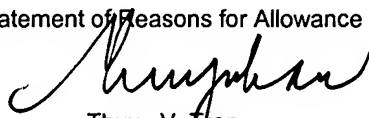
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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|--|--|
| <ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li><li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li><li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date <u>25/8/03; 2/23/04</u></li><li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li></ol> | <ol style="list-style-type: none"><li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li><li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>090704</u>.</li><li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li><li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li><li>9. <input type="checkbox"/> Other _____.</li></ol> |
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Thuy V. Tran  
Examiner  
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### **DETAILED ACTION**

This is a response to the Applicants' filing on August 25<sup>th</sup>, 2003, the preliminary amendment filed on April 12<sup>th</sup>, 2004, and the telephone interview held on September 3<sup>rd</sup>, 2004. In virtue of this preliminary amendment, claims 9, 13, and 16-20 are cancelled; and thus, claims 1-8, 10-12, 14-15, and 21-24 are now presented in the instant application.

#### ***Examiner's Amendment***

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Keith E. George on September 3<sup>rd</sup>, 2004. The amendment includes:

**In the title:**

Change the original title to a new title as:

--IMAGE DISPLAY DEVICE AND METHOD OF DISPLAYING IMAGES WITH STATIC IMAGE  
DETECTION--;

**In the claims:**

Claim 1, line 8, change "the" to --an--;

Claim 1, line 9, change "the" to --a--;

Claim 3, line 2, change "a" to --the--;

Claim 4, line 2, change "a" to --the--;

Claim 5, line 3, change "a" (first occurrence) to --the--;

Claim 10, line 3, change "the" to --a--;

Claim 11, line 39, change "the" (first occurrence) to --a--;

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Claim 14, line 2, delete "of"; change "the" (first occurrence) to --a--; change "and" to --or--; and change "the" (second occurrence) to --an--;

Claim 15, line 2, delete "of"; change "the" (first occurrence) to --a--; change "and" to --or--; and change "the" (second occurrence) to --an--;

Claim 21, line 7, change "an image" to --a--;

Claim 21, line 9, change "the" (first occurrence) to --an--;

Claim 21, line 10, change "the" (first occurrence) to --a--;

Claim 22, line 7, change "an image" to --a--;

Claim 22, line 9, change "the" (first occurrence) to --an--;

Claim 22, line 10, change "the" (first occurrence) to --a--;

Claim 23, line 8, change "the" to --an--;

Claim 23, line 10, change "the" (first occurrence) to --a--;

Claim 24, line 5, change "a" (first occurrence) to --the--; and

Claim 24, line 6, change "the" (second occurrence) to --a--.

***Allowable Subject Matter***

2. Claims 1-8, 10-12, 14-15, 21-24 are allowed.

***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose or fairly suggest:

- A circuit for a display device for displaying images by the use of light emission of phosphors wherein luminance level of a part of the specific region which will appear close to an edge of a display screen is changed more than a change in luminance level of a part of the specific region which will appear close to a center of the display screen, in combination with the remaining claimed limitations as called for in

independent claim 1 (claims 2-8 and 10 are allowed since they are dependent on claim 1);

- A circuit for a display device for displaying images by the use of light emission of phosphors comprising an image processor which changes a luminance level in a part of the image which will appear close to an outer edge of a display screen is changed more than a part of the image which will appear around a center of the display screen across the entire display screen when the static image is detected by the detector, in combination with the remaining claimed limitations as called for in independent claim 11 (claim 12 is allowed since it is dependent on claim 11);
- A display device comprising an image processor for changing a luminance level of the image in the specific region when the static image is detected by the detector to produce a signal for driving the display screen, wherein luminance level of a part of the specific region which will appear close to an edge of a display screen is changed more than a change in luminance level of a part of the specific region which will appear close to a center of the display screen, in combination with the remaining claimed limitations as called for in independent claim 21 (claim 14 is allowed since it is dependent on claim 21);
- A display device comprising an image processor which changes a luminance level of the image in the specific region when the static image is detected by the detector to produce a signal for driving the display screen, wherein luminance level of a part of the specific region which will appear close to an edge of a display screen is changed more than a change in luminance level of a part of the specific region which will

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appear close to a center of the display screen across the entire display screen, when the detector detects the static image, in combination with the remaining claimed limitations as called for in independent claim 22 (claim 15 is allowed since it is dependent on claim 22);

- A method of displaying images on a display screen wherein luminance level of a part of the specific region which will appear close to an edge of a display screen is changed more than a change in luminance level of a part of the specific region which will appear close to a center of the display screen, in combination with the remaining claimed limitations as called for in independent claim 23; and
- A method of displaying images on a display screen comprising changing a luminance level of the received image signal so that luminance level in a part of the image which will appear close to an outer edge of a display screen is changed more than a part of the image which will appear around a center of the display screen across the entire display screen, when the static image is detected, in combination with the remaining claimed limitations as called for in independent claim 24.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Citation of relevant prior art***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Prior art Taniguchi et al. (U.S. Patent No. 6,757,693) discloses a system and method of data transmission/reception.

Prior art Frazier (U.S. Patent No. 5,081,523) discloses a display image correction system and method.

Prior art Kawai (U.S. Patent No. 5,014,116) discloses a color television system.

***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thuy V. Tran  
Examiner  
Art Unit 2821

09/07/2004

